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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 7th February 1981

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section of the Act.

1st January, 1981

1/Cal/81. Maschinenfabrik Rieter A.G. Lubricated cam drum.

2nd January, 1981

2/Cal/81. P. O. Henk and P. A. Fischer. Lead salt electric storage battery. [Addition to No. 33/Cal/80].

3/Cal/81. The Fertilizer (Planning & Development) India Ltd. A method for determination of ash content in a coal sample and a system for determining the ash content in a coal sample.

3rd January, 1981

4/Cal/81. Schwihag Gesellschaft Fuer Eisenbahnoberbau mbH. and Karl Richtberg KG. Device for fastening rails to transverse and longitudinal sleepers, especially timber sleepers, and to other rail support points on a railway track.

5/Cal/81. SES, Incorporated. Improved Photovoltaic cell.

6/Cal/81. SES, Incorporated. Improved electroless plating process for glass or ceramic bodies

7/Cal/81. E. C. Ligeti. Tobacco smoke filter.

8/Cal/81. Beloit Corporation. Drainage roof for twin wire roll former.

5th January, 1981

9/Cal/81. Kanetsu Kogyo Kabushiki Kaisha. Process for manufacturing magnetic pole assembly.

10/Cal/81. Allsop, Inc. Video player/recorder cleaning apparatus and method.

6th January, 1981

11/Cal/81. Jin An Industrial Co. Ltd. Fibrils transplantation process.

12/Cal/81. Jin An Industrial Co. Ltd. Process for the preparation of a thermal transplantable twinkling pattern.

13/Cal/81. Montedison S.p.A. Process for synthetizing ammonia from hydrocarbons.

14/Cal/81. Combustion Engineering, Inc. A system for the removal of ash.

7th January, 1981

15/Cal/81. P. J. Cahill. Cricket stroke practice device.

16/Cal/81. Ciba-Geigy AG. Stable aqueous formulations of stilbene fluorescent whitening agents.

17/Cal/81. Voest-Alpine Aktiengesellschaft. Process for producing an upgraded product from brown coal.

18/Cal/81. Gould Inc. Wear-resistant metallic article.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE, BRANCH,

61, WALLAJAH ROAD, MADRAS-600002

29th December, 1980

232/Mas/80. A. V. Khanderia. A process in photography to achieve the perfect pause.

233/Mas/80. Hyderabad Chemical Supplies (P) Ltd. Manufacture of Hylinec (Copper sulphate water dispersible powder).

234/Mas/80. P. Abraham. A rain shade for use on trees during rubber tapping operations.

ALTERATION OF DATE

148383
144/Del/80 } Ante-dated the 12th August, 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (Postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 85C. 148382.

Int. Cl.-F27b 15/08.

SEALING MEANS FOR A FLUID BED REACTOR OPERATING ON A DRY FEED.

Applicant : DOOR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, 06904, UNITED STATES OF AMERICA.

Inventors : WALFRED WILHELM IIKKOLA, ANDREW BEAUMONT STEEVER AND GIORGIO TOMASICCHIO.

Application No. 374/Del/78 filed May 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 *Claims.*

Sealing means for the feeding apparatus of a fluid bed reactor operating on a dry feed, wherein said reactor comprises an enclosure in which a reaction chamber is separated from a windbox by a constriction element, said sealing means comprising a feed conduit arranged to receive feed from a feeding device, a mixing tube aligned with said feed conduit and open to the reaction chamber for delivery of feed thereinto and aspirating means for directing a flow of gas at high speed into said mixing tube in the direction of feed to establish a pressure barrier to resist reactor back pressure.

Comp. Specn. 14 Pages. Drg. 2 Sheets.

CLASS 32F9b & 55E. 148383.

Int. Cl.-C07d 101/00, A61k 27/00.

PROCESS FOR THE PRODUCTION OF 17A-METHYL-3β-PYRROLIDINO-17A-AZA-D-HOMO-5α -ANDROSTANE DIMETHIODIDE (DIHYDROCHANDONIUM IODIDE)).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : HARKISHAN SINGH, TILAK RAJ BHARDWAJ AND DHARAM PAUL.

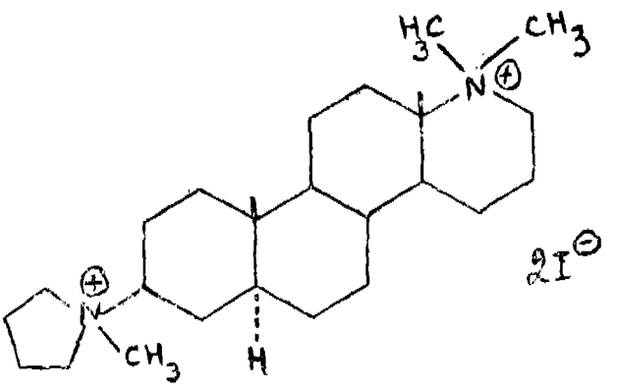
Application No. 144/Del/80 filed February 29, 1980.

Division of Application No. 193/Del/77 filed August 12, 1977.

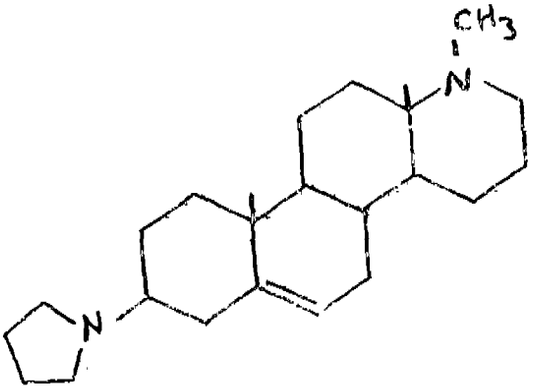
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 *Claims.*

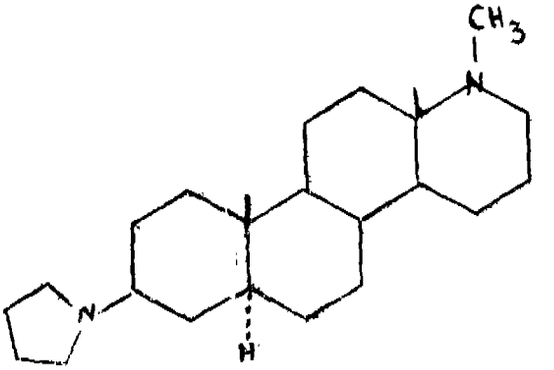
Process for the preparation of 17a-methyl-3β-pyrrolidino-17a-aza-D-homo-5 α -androstane dimethiodide (Dihydrochandonium Iodide) of formula (3).



comprising the steps of (i) catalytic reduction of 17a-methyl-3β-pyrrolidono-17a-aza-D-homo-androst-5-ene of formula (1). to obtain 17a-methyl-3β-pyrrolidincl-17a-aza-D-homo-5 α -androstane of formula (2).



and (ii) quaternisation of the reaction product of formula (2) to obtain the final product 17a-methyl-3β-pyrrolidino-17a-aza-D-homo-5-α -androstane dimethiodide (dihydrochandonium Iodide) of formula (3).



Comp. Specn. 4 Pages. Drg. 1 Sheet.

CLASS 119-A+F3. 148384.

Int. Cl.-DO3 d 51/24.

AN IMPROVEMENT AND MODIFICATION IN OR RELATING TO FEELER BARS FOR WEAVING LOOMS.

Applicant : ROHIT HARISHCHANDRA PARIKH, 23, NAVYUG SOCIETY, SURENDRA MANGALDAS ROAD, AMBAWADI, AHMEDABAD-380 015, GUJARAT STATE, INDIA.

Application No. 229/BOM/77 filed July 27, 1977.

Complete Specification left August 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 *Claims.*

A feeler bar for weaving looms comprising an outer or stationary bar formed of two metal strips joined together or a single metal strip longitudinally folded at centre to form a channel for insertion of a movable or inner bar, the bars being provided with teeth at its upper edges characterised in that the vertical edges of the said teeth of the bars are convex shaped and the channel being preferably provided with ball and/or roller bearings to facilitate the movement of the inner bar.

Prov. Specn. 5 Pages. Drawings Nil.

Comp. Specn. 7 Pages. Drawings 1 Sheet.

Ind Cl.-182A. 148385.

Int. Cl.-C13 d 1/02.

AN APPARATUS FOR EXTRACTING POL AND FIBRE CONTENT OF SUGARCANE AND/OR BAGASSE.

Applicant : THE RAVALGAON SUGAR FARM LIMITED OF P.O. RAVALGAON DIST. NASIK, MAHARASHTRA, INDIA AND MURLIDHAR EKNATH RISHIPATHAK AND PREMCHAND FULCHAND JAIN BOTH OF ABOVE ADDRESS.

Inventors : MURLIDHAR EKNATH RISHIPATHAK AND PREMCHAND FULCHAND JAIN.

Application No. 308/Bom/1978 filed Oct 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 *Claims.*

1. An apparatus for extracting pol and fibre content of sugarcane and/or begasse comprising an electric motor mounted in a housing which is mounted on a support, a chest mounted from the housing and/or the support a vessel having a spout provided with a cap and being detachably coupled at its mouth to the lower and of the chest spindle shaft rotatably mounted through the chest such that lower end of the shaft extends towards the bottom of the vessel, a plurality of blades fixedly mounted over the lower end of the spindle shaft power transmission means connect in the shaft of the electric motor and the upper end of the spindle shaft and means for sealing the clearance between the spindle shaft and the mouth of the vessel.

Complete specn. 7 pages. Drawing 1 Sheet.

IND CLASS 32F2(a), 32F2(b), & 32F2(c). 148386.

Int. Class : Co7o-97/00.

"PROCESS FOR PREPARING ANTIVIRAL AMINE DERIVATIVES OF GLYSEROL AND PROPANEDIOLS".

Applicants : PFIZER INC. OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, U.S.A.

Inventors : ALLEN RICHARD KRASKA.

Application No. 525/Del/78 filed on 18th July, 1978.

Division of addition to patent application No. filed on dated.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

A process for preparing a compound of the formula X and the pharmaceutically acceptable acid addition salts thereof, wherein one of Q^1 and Q^2 -O-Y-NHR^6 and the other is OR^1.

R^1 and R_2 are each selected from the group consisting of normal alkyl of from 12 to 20 carbon atoms and normal alkenyl not having a double bond in the 1-position of from 12 to 20 carbon atoms,

Y is selected from the group consisting of alkylene of from 2 to 4 carbon atoms, the two valencies being on different carbon atoms; *ortho-meta-* and *para*-phenylenedimethylene; and a radical of the formula shown in Fig. 4 wherein q is an integer of from one to three and the left bond is connected to O, and

R^3 is hydrogen which comprises the steps of (a) reducing by known methods a compound of the formula XI wherein one of Q^3 and Q^4 is -O-Y'-CN and the other is -OR^1, Y' is selected from the group consisting of alkylene of from 1 to 3 carbon atoms, a radical of the formula shown in Fig. 6 wherein the left bond is connected to O; and a radical of the formula shown in Fig. 15 wherein q is an integer of from one to three and the left bond is connected to O,

(b) if desired, converting by known methods the compound resulting from step (a) to a pharmaceutically acceptable acid addition salt thereof.

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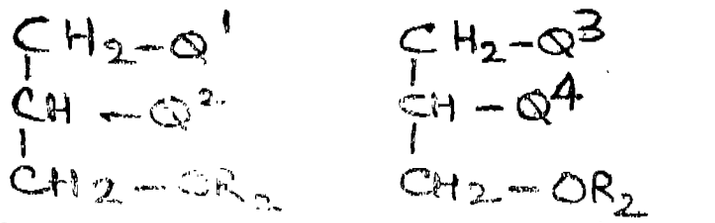

Formula X Formula XI

Fig. 4 Fig. 6

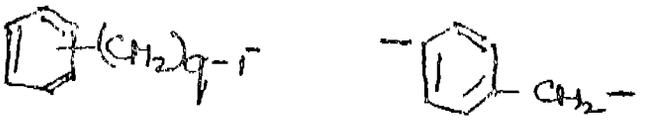

Fig. 15 Fig. 16

CLASS 144A. 146C D1. 148387.

Int. Cl.-BO5C-/134 CO3C-17/00, B65$_g$-49/02.

"STAINING APPARATUS AND METHOD OF STAINING SLIDES USING THE SAID APPARATUS".

Applicants : MILES LABORATORIES, INC., AT 1127 MYRTLE STREET, ELKHART INDIAN, U.S.A.

Inventors : LEIGHTON CLIFFORS JOHNSON.

Application No. 549/Del/78 filed on July 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 *Claims.*

Staining apparatus for holding a plurality of individual substantially flat objects parallel to each other and separated

from each other by a capillary gap, which apparatus comprises :

a top plate member having at least one opening adapted for the introduction of liquid along at least one edge of said substantially flat objects;

Preferably a movable bottom plate member; at least one guide member interconnecting said top plate member with said bottom plate member, and

a series of spacing shims connected with said at least one guide member between said top plate member and said bottom plate member, said shims dividing a series of said individual substantially flat objects and maintaining said substantially flat objects in an aligned position parallel to the top and bottom plate members such that the substantially flat objects are kept apart from each other by a capillary gap, the thickness of which is identical to the thickness of one of the shims.

Complete specification 18 pages Drawings (3) Sheets.

CLASS 70, 14D-2. 148388.

Int. Cl.-H01m-5/02, 13/10, & B01k-3/04.

"ANODE FOR DIAPHRAGM LESS ELECTROLYSER".

Applicants : PRODUCTS CHIMIGUES UGINE KUHLMANN OF 25 BOULEVARD DE I' AMIRAL BRUIX, 75116 PARIS, FRANCE.

Inventors : ROGER CHARVIN GEORGES CUSSET & JEAN CORMIER.

Application No. 553/Del/78 filed on 28th July, 78.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 *Claims.*

Anode for diaphragm-less electrolyser comprising of an electrically conduction cylindrical rod resistant to corrosion by the electrolyte, said rod supporting two anode plates by means of two junction elements having webs and flanges, said junction elements being electrical conductors resistant to corrosion electrolyte, the webs being welded to the said rod along two diametrally opposed generatrices, the flanges being welded to the said anode plates, the free ends or said plates being connected together by electrically conducting junction elements resistant to corrosion by the electrolyte, said junction elements being maintained in a substantially parallel form whilst providing a semi-rigid connection, one end of the said rod being closed by a plug made of a material resistant to corrosion by the electrolyte, the other end of said rod comprising a part consisting of a flattened section which receives an electrical connection, a further part consisting of a shoulder equipped with a groove wherein a toroidal joint is placed, said joint being resistant to corrosion by the electrolyte, ensuring the leakproofness of the crossing of the wall of the electrolysis tank by the said cylindrical rod.

Complete specification 7 pages and Drawing 1 Sheet.

CLASS 104J. 148389.

Int. Cl.-B01j 1/12.

A COUSTIC VORTEX GENERATOR.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHNI-CHESKOGO UGLERODA, 5 KORDNAYA, ULITSA 29, OMSK, USSR.

Inventors : GENNADY VASILIEVICH BABICH, MIKHAIL YAKOVLEVICH BOBBIK, VLADIMIR FEDOROVICH ANTONENKI, VASILY VASILIEVICH NOVIKOV, GEORGY ALEXANDROVICH BELYAEVAND NIKOLAI KALISTRATOVICH KORENYAR.

Application No. 1711/Cal/77 filed December 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 *Claims.*

An acoustic vortex generator comprising a cylindrical chamber with a tangential inlet pipe intended to swirl the flow of gas directed to the cylindrical chamber, an outlet pipe of the cylindrical chamber, arranged coaxially with the cylindrical chamber, in which outlet pipe the swirling of the gas flow is intensified until acoustic vibration is produced, and which is more intensified by means of an aerodynamic acoustic vibration amplifier communicating with the internal cavity of the outlet pipe.

Comp. Specn. 9 Pages. Drg. 2 Sheets.

CLASS 179A. 148390.

Int. Cl.-B21d 22/00 .

METHOD OF MAKING A PILFER PROOF CLOSURE AND PILFER PROOF CLOSURE SO MADE.

Applicant : METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventor : HECTOR COLIN BEARDMORE MACKENZIE.

Application No. 348/Cal/78 filed March 31, 1978.

Convention date April 1, 1977/(13765/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 *Claims.*

A method of making a pilfer proof closure comprising a closure panel and a skirt, said skirt being greater in length than the diameter of the closure panel, said method including the steps of cutting a blank from a sheet of metal; drawing the blank into a cup having a side wall substantially equal in thickness to an end wall thereof; ironing between a punch and die the wall of the cup to reduce the thickness of the side wall to less than that of the closure panel and increase the length thereof; and forming a pilfer proof cap blank from the thin walled cup.

Comp. Specn. 7 Pages Drg. 1 Sheet.

CLASS 141A. 148391.

Int. Cl.-C22b 1/24.

A PROCESS FOR BRIQUETTING PELLETIZATION AND AGGLOMERATION OF SOLID FINES.

Applicant & Inventor : PRAKASH CHAND KAPUR, INDIAN INSTITUTE OF TECHNOLOGY, DEPARTMENT OF METALLURGICAL ENGINEERING, I.I.T. POST OFFICE, KANPUR-208016, U.P. INDIA.

Application No. 66/Del/78 filed January 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 *Claims. No. drawings.*

A process for briquetting, pelletization or agglomeration of solid fines which comprises mixing bond material comprising of ½ to 10 percent by weight of ground ash obtained by burning rice husk, hull and straw, and, ½ to 20 percent by weight of powdered lime in form of calcium oxide or calcium hydroxide or a mixture of the two in all proportions; all weights being on the basis of solid fines and suitable amount of water and thereafter the obtained mixture is pressed, compacted, moulded, briquetted, rolled, balled, agglomerated, extruded by conventional methods and the resulting size enlarged entities are air dried for ½ to 48 hours at temperature in the range of ambient temperature to 90 degree centigrade and then cured under water or in a moist atmosphere for at least 1 dry, or in warm or hot water for at least 5 hours, or, in steam at one atmosphere pressure for at least ½ hour.

Comp. Specn. 9 Pages. Drgs. Nil.

CLASS 60F. 148382.

Int. Cl.-A41d 31/00, A41h 41/00.

GARMENTS FORMED OF HELICALLY JOINED PIECES.

Applicant & Inventor : HARRY RUDOLPH DE POLO, OF 480 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Application No. 115/Del/78 filed February 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

18 *Claims.*

A garment comprising a body portion formed essentially of an elongate strip of fabric material helically wound about an axis and means securing substantially equal lengths of the edges of adjacent convolutions of said strip together to form a continuous generally tubular body.

Comp. Specn. 27 Pages. Drg. 10 Pages.

CLASS 129G. 148393.

Int. Cl.-B21b 45/04.

IMPROVED PROCESS AND APPARATUS FOR THERMOCHEMICALLY SCARFING THE SURFACE OF A METAL BODY.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK STATE OF NEW YORK-10017, UNITED STATES OF AMERICA.

Inventor : STEPHEN AUGUST ENGEL.

Application No. 1577/Cal/76 filed August 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 *Claims.*

In a thermochemical scarfing process wherein a stream of scarfing oxygen is directed against a reaction zone of molten metal on the surface of a metal workpiece to produce a thermochemical reaction thereon, and relative movement is provided between the oxygen stream and the workpiece to continue the reaction along the length of the metal surface to produce the desired scarfing cut, which tends to form an increasingly larger molten puddle in front of the advancing reaction zone as the cut progresses, the improvement comprising : preventing the formation of secondary fins along the boundaries of the scarfing cut by directing a stream of fluid obliquely against the molten puddle ahead of said reaction zone in the direction of the scarfing path, said fluid stream impinging upon said puddle along its entire width and at a sufficient distance upstream of the leading edge of said puddle such that the leading portion of said puddle is granulated and pushed forward in the direction of the scarfing path by the fluid stream, thereby keeping the size of the puddle such that it can readily be pushed forward along the metal surface by the scarfing oxygen stream without deflecting a portion of said puddle laterally beyond the boundaries of the scarfing cut.

Comp. Specn. 16 Pages. Drg. 2 Sheets.

CLASS 195D. 148394.

Int. Cl.-F16k 7/00.

METHOD OF FORMING AN INJECTION MOULDED FUNCTIONAL LINING ON A VALVE BODY.

Applicant : SAUNDERS VALVE COMPANY LIMITED, OF CWMBRAN, GWENT NP4 3XX, WALES.

Inventor : ALAN PHILIP JONES.

Application No. 104/Cal/77 filed January 25, 1977.

Convention date February 25, 1976/(07504/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 *Claims.*

A method of forming an injection moulded functional lining as hereinbefore described on a valve body comprising the steps of assembling the valve body with mould members to define a cavity between the valve body and the mould members, the cavity comprising a lining portion which when filled with injected material forms the desired functional lining, and an extension portion continuous with the lining portion and extending outwardly from an edge of the lining portion; and injecting a lining material into the extension portion of the cavity to flow from the extension portion into the lining portion of the cavity until at least the lining portion of the cavity is filled with lining material.

Comp. Specn. 9 Pages. Drg. 3 Sheets.

CLASS 107C & G. 148395.

Int. Cl.-T16j 15/00.

IMPROVEMENT IN SEALING RING ASSEMBLIES FOR PISTONS FOR INTERNAL COMBUSTION ENGINES AND THE COMBINATION OF A PISTON AND SEALING RING ASSEMBLY IN A CYLINDER.

Applicant : WELLWORTHY LIMITED, OF LYMINGTON, HAMPSHIRE, ENGLAND.

Inventor : GERALD LONGFOOT.

Application No. 548/Cal/77 filed April 11, 1977.

Convention date September 2, 1976/(36492/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 *Claims.*

A sealing ring assembly for a piston for an internal combustion engine comprising an outwardly springing carrier ring and an inwardly springing sealing ring which is of rectangular cross-section and fits within a recess of similar shape provided in the outer peripheral face and one side face of the carrier ring, the gaps in the two rings being displaced one from the other.

Comp. Specn. 9 Pages. Drg. 1 Sheet.

CLASS 65B1. 148396.

Int. Cl.-H01f 40/00.

ELECTRICAL INDUCTIVE APPARATUS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : DONALD KENT WHIRLOW, JOHN GRAY ALDWORTH AND GARLINGTON COLUMBUS WILBURN.

Application No. 1452/Cal/77 filed September 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 *Claims.*

Electrical inductive apparatus comprising a casing and, disposed therein, heat-producing structure, a dielectric liquid coolant vaporizable within the normal operating temperature range of said heat-producing structure, and coolant circulating means operable to maintain a flow of the dielectric liquid coolant directed to make heat exchange contact with the heat-producing structure, characterized in that said casing has formed therein an upper reservoir for part of the liquid coolant, said upper reservoir being disposed above the heat-producing structure and including means for applying to the latter coolant from the upper reservoir, and a lower reservoir for the balance of said liquid coolant said lower reservoir being disposed below said heat-producing structure so as to receive the coolant applied thereto and having extracted heat therefrom, and further characterized in that said coolant circulating means comprises a first conduit having an inlet disposed in fluid flow communication with the lower reservoir below a normal level of liquid coolant contained therein, and

having an outlet disposed in fluid flow communication with the upper reservoir above a normal level of liquid coolant contained therein, a vapor-generating chamber, and a second conduit having an inlet thereof in fluid flow communication with the upper reservoir below said normal level of liquid coolant therein, and having an outlet connected to an inlet of the vapor-generating chamber, said vapor-generating chamber further having an outlet which communicates with said first conduit at a level below said normal level of liquid coolant contained in the lower reservoir, and which is designed to emit vapor, generated in the vapor-generating chamber, into said first conduit at a velocity sufficient to drive liquid coolant from the lower reservoir up through said first conduit and into the upper reservoir.

Comp. Specn. 12 Pages. Drg. 1 Sheet.

CLASS 33H. 148397.

Int. Cl.-B22d 11/00.

PROCESS FOR THE CONTINUOUS CASTING OF STEEL.

Applicant : BELIPAR SA, 11, BOULEVARD PRICE HENRI, LUXEMBOURG (LUXEMBOURG) AND CONCAST AG, TODISTRASSE 7, 8027 ZURICH (SWITZERLAND).

Inventor : WALTER ENGELER.

Application No. 1767/Cal/77 filed December 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 *Claims.*

A process for the continuous casting of steel, particularly for forming billets, in which process a multi-phase mixture consisting of liquid inert gas and of a particulate additive is passed into an oscillating continuous-casting mould above the surface of the molten metal therein, characterized in that, during casting, there is added a multi-phase miture consisting of inert gas together with casting powder in a quantity such that the thickness of the layer of multi-phase mixture above the surface of the molten metal is maintained at a value lower than the length of stroke of the mould.

Comp. Specn. 9 Pages. Drg. 1 Sheet.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by LMP Precision Engineering Co. Pvt. Ltd., to the grant of a patent on application No. 142455 made by Jai Narayan Prasad Agarwal notified in Part-III, Section 2 of the Gazette of India dated 28th January, 1978 has been treated as abandoned and a patent has been ordered to be sealed on the application.

(2)

An opposition has been entered by Director General, Research Designs and Standards Organisation, Ministry of Railways, Lucknow to the grant of a patent on application No. 147497 made by Suprotec S.A.

(3)

An opposition has been entered by Mr. Kuldip Mohan Kapoor to the grant of a patent on application No. 43/Bom/1977 (147732) made by Vitorino M. Miranda.

PRINTED SPECIFICATION PUBLISHED

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147501 147502 147503 147504 147505 147506 147507 147508 147509 147510 147511 147512 147513 147514 147515 147516 147517 147518 147519 147520 147521 147522

(2)

147523 147524 147525 147526 147527 147528 147529 147530 147531 147532 147533 147534 147535 147536 147537 147538 147539 147540 147541 147542 147543 147544 147545 147546 147547.

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147548 147549 147550 147551 147552 147553 147554 147555 147556

(4)

147557 147558 147560 147561 147562 147563 147564 147565 147566 147567 147568 147569 147570 147571

PATENTS SEALED

146951 147210 147256 147258 147281 147307 147355 147356 147374 147376 147380 147381 147386 147394 147400 147425 147426 147436 147439 147440 147441 147457

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
141031 (15.01.76)	A process for epoidation of an alkene by reaction with per acids.
141126 (10.05.74)	Partial oxidation of organic compounds and apparatus therefor.
141154 (03.10.75)	Process for producing a gaseous product from carbonaceous material.
141234 (18.11.74)	A process for the preparation of poly N-hydrocarbylimino alkanes.
141261 (05.06.74)	A method for reprocessing the final acids of nitro glycerine production.
141431 (27.10.75)	An improved process for the preparation of napthalic acid imide derivative.

RENEWAL FEES PAID

103335 103671 103999 108709 108768 108775 109032 109146 113938 113956 113961 114004 114023 114035 114088 114099 114133 114186 114203 114241 114292 115503 118390 119318 119324 119339 119343 119634 120065 120321 120627 124626 124723 124745 124747 124792 124795 124859 124998 125001 125044 125787 129831 129851 129868 129880 129937 130013 130021 130141 130298 130470 133858 134082 134189 134190 134283 134295 134328 134409 134416 134475 134598 134677 134678 134882 135558 135559 136080 137076 137155 137159 137228 137446 137470 137484 137761 137767 138044 138269 138469 138765 139011 139171 139730 139831 139991 140339 140777 140999 141000 141073 141141 141324 141370 141631 142124 142125 142315 142441 142633 142867 142940 143043 143234 143279 143658 143753 143935 144090 144255 144274 144323 144383 144597 144616 144620 144828 144711 145115 145116 145244 145264 145275 145283 145337 145543 145632 145781 145814 146053 146069 146153 146660 146860 147045 147063 147070 147066 147214 147216 147233

CESSATION OF PATENTS

112771 113807 119965 128697 139031 144333 144334 144579 146072 146073

SURRENDER OF PATENTS SECTION 63.

A notice of offer to surrender the Patents Nos. 111940, 116853 and 114820 given by the Patentee USB S.A. of Belgium on 18th January, 1980 under Section 63 of the Patents Act, 1970 and has been notified in the Gazette of India, Part III, Section-2 dated the 24th May, 1980.

As no notice of opposition to the said offer has been filed under Rule 71(3) of the Patents Rules, 1972, the said offer has been accepted and the said Patents have been revoked by order of the Joint Controller of Patents & Designs dated the 27th November 1980.

Name Index of applicants for Patents for the month of November, 1980 (Nos. 1238/Cal/80 to 1329/Cal/80, 333/Bom/80 to 372/Bom/80, 196/Mas/80 to 218/Mas/80 and 788/Del/80 to 852/Del/80).

Name & Application No.

—A—

Air Preheater Company, Inc., The.—1262/Cal/80.

Air Products and Chemicals, Inc.—1247/Cal/80.

Alfa-Laval AB.—1255/Cal/80.

Allware Agencies Limited.—1309/Cal/80.

Alsthom-Atlantique.—815/Del/80.

Amsted Industries Incorporated.—1273/Cal/80.

Arbed S.A.—798/Del/80. —

Arulpragasam, A. R.—201/Mas/80.

Asahi Glass Company Ltd.—1270/Cal/80.

Asahi Kasei Kogyo Kabushiki Kaisha.—1266/Cal/80.

Ashland Oil Inc.—803/Del/80, 804/Del/80, 805/Del/80, 806/Del/80.

Astilleros Espanoles, S.A.—1238/Cal/80.

—B—

Battelle Memorial Institute.—1284/Cal/80.

Bayer Aktiengesellschaft.—793/Del/80.

Belenky, L. Z.—1317/Cal/80.

Beloit Corporation.—1279/Cal/80.

Bertin & Cie.—1285/Cal/80.

Best & Crompton Engineering Ltd.—214/Mas/80, 215/Mas/80, 216/Mas/80.

Bethlehem Steel Corporation.—1258/Cal/80, 1259/Cal/80.

Biomass Energy Systems, Inc.—1302/Cal/80.

Birmingham Bolt Company.—849/Del/80.

—C—

Chaudhari, R. G.—212/Mas/80.

Chemische Werke Munchen Otto Barlocher GMBH.—1254/Cal/80.

Chief Controller Research & Development, Ministry of Dedence.—813/Del/80.

Chitnis, H. R.—349/Bom/80.

Chitnis, R. V.—349/Bom/80.

Chugai Denki Kogyo Kabushiki-Kaisha.—1299/Cal/80.

Cori Industries.—197/Mas/80.

Council of Scientific & Industrial Research.—816/Del/80, 817/Del/80, 818/Del/80, 819/Del/80, 828/Del/80, 829/Del/80, 830/Del/80, 842/Del/80, 843/Del/80, 844/Del/80, 852/Del/80.

Creusot-Loire.—800/Del/80.

Cross Company, The.—1320/Cal/80.

Cummins Engine Company, Inc.—1239/Cal/80.

—D—

Dr. C. Otto & Comp. GMBH.—1305/Cal/80.

Dayal, R.—346/Bom/80.

Desai, M. H.—345/Bom/80, 351/Bom/80.

Devasenadhipathy, D. R.—203/Mas/80.

Devi, B. (Mrs.)—196/Mas/80.

Diamond Shamrock Corporation.—1268/Cal/80.

Dorr Oliver Incorporated.—837/Del/80.

Doshi, K. K.—334/Bom/80.

Dunlop Limited.—850/Del/80.

Name & Application No.

Dutta, R.—1272/Cal/80.

Dutton, E. I.—795/Del/80.

—E—

E.I. Du Pont De Nemours and Company.—1261/Cal/80.

Egyesult Izzolampa ES Villamossagi RT.—1282/Cal/80.

Evans, G. J.—1292/Cal/80.

—F—

Fertilizer (Planning & Development) India Limited.—1241/Cal/80.

Fomento De Inversiones Industriales S.A.—1301/Cal/80.

—G—

G. D. Societa' Per Azioni.—796/Del/80, 797/Del/80.

Gayen, S. K.—1289/Cal/80.

Gestetner Manufacturing Limited.—809/Del/80.

Gillette Company, The.—833/Del/80, 834/Del/80, 835/Del/80.

Goodyear Tire & Rubber Company, The.—788/Del/80.

Great Lakes Carbon Corporation.—1265/Cal/80.

—H—

Hartmann & Braun Aktiengesellschaft.—810/Del/80.

Hegde, D.—218/Mas/80.

Hein, Lehmann AG.—1267/Cal/80.

Helix Technology Corporation.—1274/Cal/80.

Hocchst Aktiengesellschaft.—1243/Cal/80, 1244/Cal/80, 1245/Cal/80.

Hydrodynamic Energy Systems Corporation.—1293/Cal/80.

—I—

Imperial Chemical Industries Limited.—821/Del/80, 851/Del/80.

Indian Explosives Limited.—1298/Cal/80.

Indian Institute of Technology.—210/Mas/80.

International Standard Electric Corporation.—1280/Cal/80.

Inventa AG fur Forschung und Patentverwertung Zurich.—1325/Cal/80.

Ireco Chemicals.—1253/Cal/80.

—J—

Jain, B. C.—352/Bom/80.

Johnson & Johnson.—1304/Cal/80.

Joseph, A. E.—207/Mas/80.

Jyoti Limited.—348/Bom/80, 372/Bom/80.

—K—

Kakkar, V. K. (Dr.).—811/Del/80.

Kanegafuchi Kagaku Kogyo Kabushiki Kaisha.—1310/Cal/80.

Karthikeyan, D. R.—203/Mas/80.

Khaitan Fans Private Limited.—1277/Cal/80.

Khanderia, A. V.—199/Mas/80, 200/Mas/80.

Khosla, K. G.—831/Del/80, 832/Del/80.

Kintek, Inc.—789/Del/80.

Klenzaids Engineers Private Limited.—368/Bom/80.

Klockner-Humboldt-Deutz Aktiengesellschaft.—841/Del/80.

Kobe Steel, Ltd.—1283/Cal/80.

Kontiki Chemicals and Pharmaceuticals Pvt. Ltd.—198/Mas/80.

Krings, J.—1307/Cal/80.

Name & Application No.

Krupp Polysius Aktiengesellschaft.—848/Del/80.
Kryskov, V. I.—1317/Cal/80.
Kucherenko, V. P.—1317/Cal/80.
Kulkarni, S. J.—339/Bom/80, 340/Bom/80.
Kumar, A.—808/Del/80.
Kurapin, I. N.—1317/Cal/80.
Kurcha Kagaku Kogyo Kabushiki Kaisha.—1271/Cal/80.

—L—

Lafarge and Lafarge Fondu International.—1250/Cal/80.
Larsen & Toubro Limited.—347/Bom/80.
Lubrizol Corporation, The.—1275/Cal/80.
Lucas-TVS Ltd.—209/Mas/80.

—M—

M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft.—1264/Cal/80.
MPD Technology Corporation.—1246/Cal/80.
Maneklal Scientific Research Foundation.—341/Bom/80, 342/Bom/80, 343/Bom/80.
Mannesmann (Netherland) B. V.—1269/Cal/80.
McElwain, J.A.—847/Del/80.
Metal Box Limited.—1256/Cal/80.
Metallgesellschaft, AG.—1303/Cal/80, 1316/Cal/80.
Microfuels, Inc.—801/Del/80.
Mitsui Toatsu Chemicals, Inc.—1281/Cal/80, 1297/Cal/80.
Montedison S.p.A.—1314/Cal/80, 1315/Cal/80.
Mysore Paper Mills Ltd., The.—208/Mas/80.

—N—

Nl Industries Inc.—814/Del/80, 845/Del/80.
N. V. Phillips' Gloeilampenfabrieken.—1252/Cal/80.
Nadella.—1329/Cal/80.
Nagaraju, G. S.—206/Mas/80.
Nair G. K.—353/Bom/80.
Natarajan, G. V.—211/Mas/80.
Neotronics Limited.—1306/Cal/80.
Nippon Steel Corporation.—1276/Cal/80.

—O—

Onoda Cement Company Limited.—344/Bom/80.
Oronzio De Nora Impianti Eletrochimici S.p.A.—350/Bom/80.

—P—

Panat, M. V.—1242/Cal/80.
Pandey, R. S.—1294/Cal/80.
Pfizer Inc.—822/Del/80, 823/Del/80, 839/Del/80.
Piljukov, J. F.—1317/Cal/80.
Population Research Incorporated.—1311/Cal/80.
Premier Explosives Pvt., Ltd.—204/Mas/80, 205/Mas/80.
Primatex Machinery Private Limited.—370/Bom/80.
Produits Chimiques Ugine Kuhlmann.—794/Del/80.
Prodential Research Corporation.—825/Del/80.
Punj, M. L. (Dr.).—811/Del/80.

—R—

Ramalingam, N. P. K.—202/Mas/80.
Rao, C. S.—217/Mas/80.
Research & Development, Ministry of Defence.—813/Del/80.
Rodo Corporation.—337/Bom/80.
Rohm GmbH.—791/Del/80.
Rohm and Hass Company.—790/Del/80.

—S—

SKF Steel Engineering Aktiebolag.—1322/Cal/80.
Saini, K. S.—811/Del/80.
Sanofi.—1326/Cal/80.

Name & Application No.

Sarabhai Research Centre.—354/Bom/80, 355/Bom/80, 356/Bom/80, 357/Bom/80, 358/Bom/80, 359/Bom/80, 360/Bom/80, 361/Bom/80, 362/Bom/80, 363/Bom/80, 364/Bom/80, 365/Bom/80, 366/Bom/80, 367/Bom/80.
Science Union Et. Cie.—807/Del/80.
Scooters India Limited.—812/Del/80.
Seshadri, K.—213/Mas/80.
Shahabuddin, M.—338/Bom/80.
Shah, C. M.—335/Bom/80.
Sharma, B. K.—336/Bom/80.
Sharma, K. K.—336/Bom/80.
Shell Internationale Research Maatschappij B.V.—836/Del/80.
Shikunova, L. A.—1317/Cal/80.
Shivshakti Engineering Works.—369/Bom/80.
Siemens Aktiengesellschaft.—1291/Cal/80, 1308/Cal/80, 1313/Cal/80.
Singh, G.—802/Del/80.
Sivash, V. G.—1317/Cal/80.
Skandaprabhu, D. R.—203/Mas/80.
Sobol, M. M.—1317/Cal/80.
Sociedad Anonima, Azucarera Argentina Commercial E Industrial.—1263/Cal/80
Societe Generale Des Eaux Minerales De Vittel.—827/Del/80.
Societe Lab.—1278/Cal/80.
Societe Nationale D'Etude Et De Construction De Moteurs D'Aviation (S.N.E.C.M.A.).—792/Del/80.
Stahl, W. (Dr.).—1290/Cal/80.
Stainless Fabrications Limited.—1251/Cal/80.
Standard Oil Company, The.—820/Del/80, 846/Del/80.
Star Textile Engineering Works Limited.—371/Bom/80.
Stauffer Chemical Company.—1260/Cal/80.
Sumner, L.—840/Del/80.
Sun Chemical Corporation.—1257/Cal/80.

—T—

Tecumseh Products Company.—1321/Cal/80.
Tilaknagar Distilleries and Industries Limited.—333/Bom/80.
Toyo Engineering Corporation.—1281/Cal/80, 1297/Cal/80, 1312/Cal/80.

—U—

USS Engineers and Consultants, Inc.—824/Del/80.
Union Carbide Corporation.—1248/Cal/80, 838/Del/80.
Uniroyal, Inc.—799/Del/80.

—V—

Vallourec.—826/Del/80.
Vishwesvaran, D.R.—203/Mas/80.
Voest-Alpine Aktiengesellschaft.—1249/Cal/80, 1287/Cal/80, 1288/Cal/80, 1303/Cal/80, 1318/Cal/80.
Vorhauer Laboratories, Ltd.—1300/Cal/80.

—W—

Wayin, B. V.—1295/Cal/80, 1296/Cal/80, 1324/Cal/80.
Western Electric Company, Incorporated.—1323/Cal/80, 1327/Cal/80, 1328/Cal/80.
Westinghouse Electric Corporation.—1240/Cal/80, 1286/Cal/80, 1319/Cal/80.

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